Reference	Qty	Value	DNP
BUxxSD1	1	~	
C1,C3,C4,C7,C8,C10,C11,C12,C13	9	100n	
C2,C5	2	4.7u	
C6	1	4u7	
C9,C15,C16,C18,C25	5	1u	
C14	1	10n	
C17,C21,C22,C23,C24,C26,C27,C35,C36,C37	10	0.1u	
C19,C20,C30,C31,C32,C33,C34,C39,C40	9	22u	
C28,C29,C38	3	15p	
D1,D2,D3,D4,D5	5	LED	
F1	1	250mA	
FB1	1	600 @ 100MHz	
H1,H2,H3,H4	4	MountingHole_Pad	
J1,J3,J4,J8,J9,J10,J11,J12,J13,J14,J15	11	Conn_01x06	
J2,J6	2	Conn_01x04	
J5	1	Conn_01x02	
J7	1	Conn_ST_STDC14	
J16,J17,J18,J19,J20,J21,J22,J23,J24,J25,J26,J27,J28	13	Conn_01x03	
J29	1	USB_C_Receptacle_USB2.0_16P	
L1	1	39n	
L2,L3,L4	3	4.7u	
MP1,MP2,MP3	3	~	
R1	1	47k	
R2	1	10k	
R3	1	6k55	
R4	1	2k9	
R5	1	1k65	
R6,R8,R10,R11	4	1k	
R7	1		800
R9	1		550
R12,R13,R14,R15,R24,R25	6	100k	
R16,R17,R26	3		20
R18,R19	2	16k	
R20	1	7.68k	
R21	1	4.9k	
R22,R23,R29	3	40.2k	
R27	1	33k	
R28	1	16.3k	
R30,R31	2	5k1	
SW1	1	SW_SPST	
SW2	1	SW_SPDT	
U1,U2	2	ZXBM5210-SP	
U3	1	STM32G474RETx	
U4	1	ADXL343	
U5	1	USBLC6-2SC6	

Exclude from BOM   Exclude from Board

Footprint
Régu:SSOP5_BUxxSD5
Capacitor_SMD:C_0402_1005Metric
Capacitor_SMD:C_0603_1608Metric
Capacitor_SMD:C_0603_1608Metric
Capacitor_SMD:C_0603_1608Metric
Capacitor_SMD:C_0402_1005Metric
Capacitor_SMD:C_0402_1005Metric
Capacitor_SMD:C_Elec_5x5.4
Capacitor_SMD:C_0402_1005Metric
LED_SMD:LED_0603_1608Metric
Fuse:Fuse_1206_3216Metric
Inductor_SMD:L_0805_2012Metric
MountingHole:MountingHole_3.2mm_M3_Pad_Via
Connector_JST:JST_PH_B6B-PH-K_1x06_P2.00mm_Vertical
Connector_JST:JST_PH_B4B-PH-K_1x04_P2.00mm_Vertical
Connector_AMASS:AMASS_XT60-M_1x02_P7.20mm_Vertical
Connector_PinHeader_1.27mm:PinHeader_2x07_P1.27mm_Vertical_SMD
Connector_JST:JST_PH_B3B-PH-K_1x03_P2.00mm_Vertical
Connector_USB:USB_C_Receptacle_HRO_TYPE-C-31-M-12
Capacitor_SMD:C_0402_1005Metric_Pad0.74x0.62mm_HandSolder
Inductor_SMD:L_0603_1608Metric
Régu:TSOT23-8
Resistor_SMD:R_0402_1005Metric
Resistor_SMD:R_0402_1005Metric
Resistor_SMD:R_0402_1005Metric
Resistor_SMD:R_0402_1005Metric
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Resistor_SMD:R_0402_1005Metric
Resistor_SMD:R_0402_1005Metric
Régu:SW_SPST
Régu:SW_SPDT
Package_SO:Diodes_SO-8EP
Package_QFP:LQFP-64_10x10mm_P0.5mm
Package_LGA:LGA-14_3x5mm_P0.8mm_LayoutBorder1x6y
Package_TO_SOT_SMD:SOT-23-6

Datasheet
https://fscdn.rohm.com/en/products/databook/datasheet/ic/power/linear_regulator/buxxsd5wg-e.pdf
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https://www.st.com/content/ccc/resource/technical/document/user_manual/group1/99/49/91/b6/b2/3a/46/e5/DM00526767
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https://www.usb.org/sites/default/files/documents/usb_type-c.zip
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https://www.monolithicpower.com/en/documentview/productdocument/index/version/2/document_type/Datasheet/lang/en/
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https://www.we-online.com/en/components/products/WS-TOTV_635_CUT_OUT_VERT_OPERATION?sq=47212102031
https://www.diodes.com/assets/Datasheets/ZXBM5210.pdf
https://www.st.com/resource/en/datasheet/stm32g474re.pdf
https://www.analog.com/media/en/technical-documentation/data-sheets/ADXL343.pdf
https://www.st.com/resource/en/datasheet/usblc6-2.pdf